

THE HELPING HAND

This idea came about as a need for a better reading device with a good size floating table to hold a phone book or news paper on it without falling off one side. There are other devices on the market but I have not found one that is similar in size. Or as easy to use and as portable. I am legally blind myself and need something to help me read a paper or instructions on how to operate something.

This device is very easy to use it has a CCTV camera suspended over a floating table that moves in all directions. The camera is connected to a household TV with a camcorder input on it where the image of what you have on the table is projected on the TV screen so a person with low vision can see or read it.

The description of the HELPING HAND reading device,

(figure 1) The Helping Hand attached to a TV ready to use.

(figure 2) the floating table parts (1) the table base [16x22] (2) camera post base (3) camera holding post (4) 14" full extension slide that is attached to the table base (5) bracket that attaches the 14 " slide to the 22" two way slide (6) floating table top [size 16x24] (7) 22" two way slide that fastens under the table top and attached to the bracket and the 14" slide so the table will be able to move in all directions. (Items 3,9,10,&11 See figure 2A for detail changes to camera holding setup (8) camera that hooks to the tv

(figure 2A) camera holding assembly (1) main post (2) block from main post to camera holding arm (3) camera holding arm (4) crank to adjust camera height for proper focus (5) thumb screw to lock no. 3 to no. 2 (6) post base that is attached to table base (7) thumb screw that locks post to post base.

(figure 3) front view of table

(figure 4) top view of table

(figure 5) side view of assembly

(figure 6) front view of assembly with the table moved to the left.